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J1042 U.S. PRO  
07/11/01

Express Mail No.

EL828015510US

Docket No. 23600-7005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors. Yuri V Melnik, et al.

Appln No.: New Application

Filing Date: Herewith

Title: REACTOR FOR EXTENDED DURATION GROWTH OF GALLIUM CONTAINING SINGLE CRYSTALS

Jc903 U.S. PRO  
09/903299  
07/11/01

UTILITY PATENT APPLICATION & FEE TRANSMITTAL

(for nonprovisional applications under 37 CFR § 1.53(b))

CERTIFICATE OF MAILING BY "EXPRESS MAIL" UNDER 37 CFR § 1.10

I, Pam Pascual, hereby certify that this paper and all enclosures are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR § 1.10 on July 11, 2001, Express Mail Label No. EL828015510US and is addressed to the Commissioner for Patents, Washington, D.C. 20231

Pam Pascual

Signature of Person Mailing

Commissioner for Patents

BOX PATENT APPLICATION

Washington, D.C. 20231

Sir:

Transmitted herewith for filing in connection with the above-identified patent application are the following

I. Elements of the Application

- ☒ Application [ 1 ] page(s) of Cover Sheet  
[ 30 ] page(s) of Specification  
[ 9 ] page(s) of Claims (\_\_\_ claims)  
[ 1 ] page(s) of Abstract  
[ 3 ] sheets of Drawings [ ] Formal [ X ] Informal
- ☒ Declaration and Power of Attorney [ ] page(s)  
[ X ] Unexecuted [ ] Executed [ ] Copy from prior application (37CFR § 1.63(d))
- ☐ Deletion of Inventors: [ ] page(s) of signed statement deleting inventor(s) (37CFR § 1.63(d) & 1.33(b))
- ☒ Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)
- ☐ Nucleotide and/or Amino Acid Sequence Submission:  
[ ] page(s) of Sequence Listing (paper copy)  
[ ] disk(s) containing Sequence Listing (computer readable copy)  
[ ] page(s) of Statement Under 37 CFR 1.821(f)
- ☐ Microfiche Computer Program Appendix \_\_\_\_\_

II. Claim for U.S. Priority

- ☒ This application is a ☒ Continuation ☐ Divisional ☐ Continuation-in-Part  
of Prior Application No. \_\_\_\_\_ filed July 6, 2001, for "Method for Fabricating Bulk GaN Single Crystals",  
Attorney Docket No. 23600-7002. (35 USC § 120)
- ☐ This application claims the benefit under 35 U.S.C. § 119(e) of United States Application Serial  
No. 60/\_\_\_\_\_ filed \_\_\_\_\_ (Provisional Application)
- ☐ The entire disclosure of the prior application referenced above, is considered as being part of the application  
filed herewith and is herein incorporated by reference in its entirety.

III. Claim for Foreign Priority

- ☐ This application claims the benefit under 35 USC § 119 of Prior Application No. \_\_\_\_\_  
filed \_\_\_\_\_.
- ☐ Certified Copy of Priority Document [ ] page(s)
- ☐ English Translation of Priority Document [ ] page(s)

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**IV. Accompanying Documents**

- ☐ Assignment Papers [ ] page(s) of Recordation Cover Sheet [ ] page(s) of Assignment
- ☒ Applicant(s) claims Small Entity Under 37 CFR § 1.27 [ ] Verified Small Entity Statement was previously filed in Prior Application No. \_\_\_\_\_ on \_\_\_\_\_, \_\_\_\_\_.
- ☒ Information Disclosure Statement [ 1 ] page(s) of PTO-1449 [ 13 ] copies of IDS References
- ☐ A Preliminary Amendment [ ] page(s)
- ☐ A copy of a Petition for Extension of Time ( \_ mos.) filed simultaneously in Prior Application No. \_\_\_\_\_
- ☐ A copy of a Submission of Processing & Retention Fee (37 CFR § 1.78(a)(1) which is being filed simultaneously in Prior Application No. \_\_\_\_\_
- ☐ Other \_\_\_\_\_ (specify)
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)

**V. Fee Calculation**

<input type="checkbox"/> The following fees are submitted:				CALCULATIONS
		OTHER THAN SMALL ENTITY	SMALL ENTITY	\$
<b>BASIC NATIONAL FILING FEE</b>		\$ 710.00	\$ 355.00	\$355.00
<b>EXTRA CLAIMS FEE</b>				
<b>CLAIMS</b>	<b># FILED</b>	<b># EXTRA</b>	<b>RATE</b>	<b>RATE</b>
Total Claims	28 - 20 =	8	× \$18.00	× \$ 9.00
Independent claims	4 - 3 =	1	× \$80.00	× \$40.00
<b>MULTIPLE DEPENDENT CLAIM(S)</b>				
<input type="checkbox"/> Yes <input type="checkbox"/> No		\$270.00	\$135.00	\$0.00
Fee for recordation of the enclosed assignment (37 CFR 1.21(h), 3.28, 3.31).				
(Numbers of Applications) × \$40.00				\$0.00
<b>OTHER FEES</b> _____ (specify)				\$0.00
<b>TOTAL FEES =</b>				<b>\$467.00</b>

- a. ☐ A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed
- b. ☒ Please charge Deposit Account No. 50-1193, Docket No. 23600-7005, in the amount of \$467.00 to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1193, Docket No. 23600-7005. A duplicate copy of this sheet is enclosed

SEND ALL CORRESPONDENCE TO:

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37.776  
 REGISTRATION NUMBER

PTO/SB/35 (11-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	Yuri V. Melnik, et al.
Title	REACTOR FOR EXTENDED DURATION GROWTH OF GALLIUM CONTAINING SINGLE CRYSTALS
Atty Docket Number	23600-7005

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

7/11/01

Date



Signature

David G. Beck, Reg. No. 37,776

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 5 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231